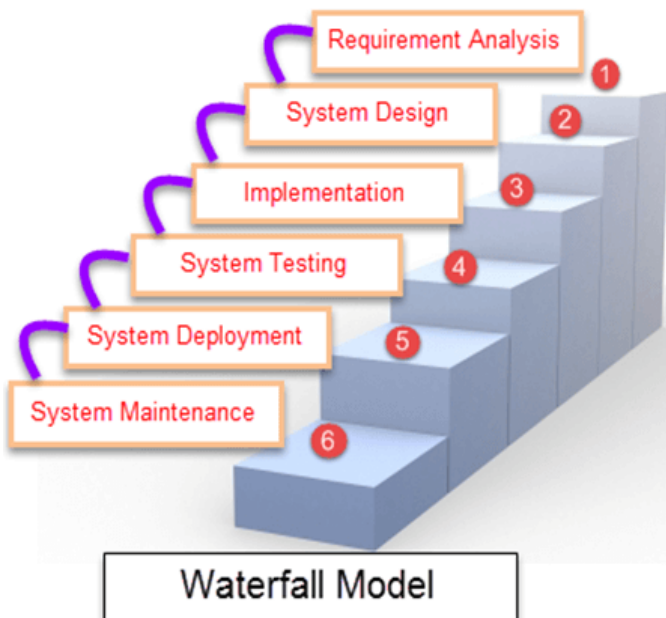1. **What kind of project methodologies you have worked so far?**

   - ✓ Waterfall
   - ✓ Agile
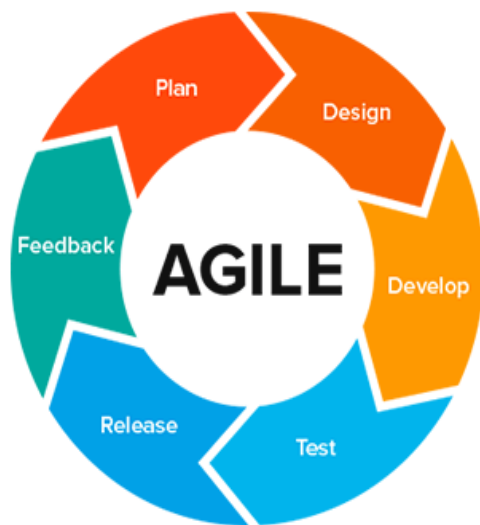
2. **Explain SDLC model?**

3. **Explain Waterfall methodology phases?**
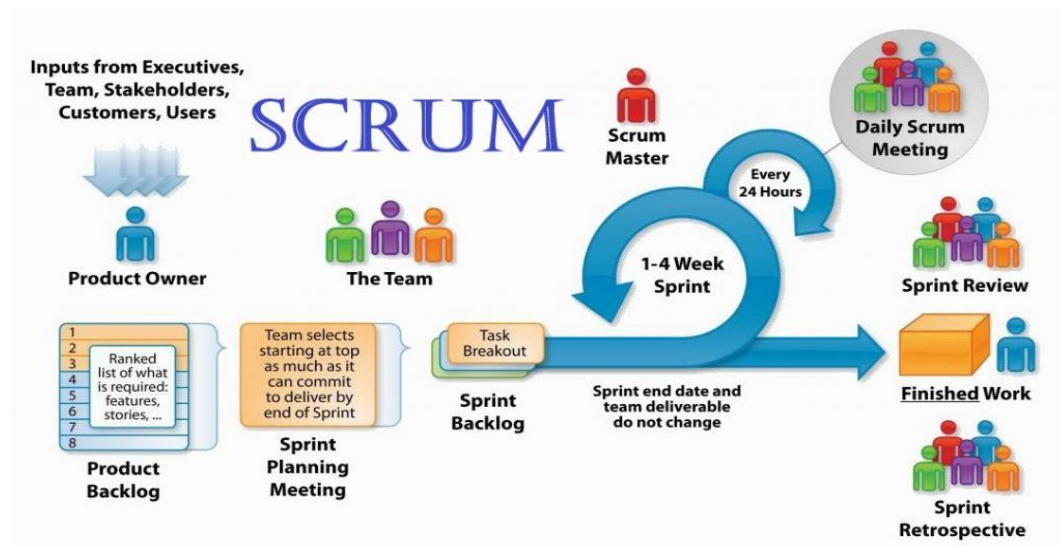

4. **Explain Agile methodology phases?**

5. Difference between Scrum and Scaled Agile (SAFe)?

Scrum: Scrum is best used by companies with a simple organizational structure.

SAFe: If you have multiple departments and more than 100 employees, your needs are better aligned with SAFe approach to Scrum

6. Explain the roles of Agile methodology?

- ✓ Product Owner
- ✓ Scrum Master
- ✓ Team Member

7. Can you explain pair programming and its benefits?

The combined effort in the team where one programmer writes the code and the other one reviews it is called pair programming. There are several benefits of pair programming, it not only improves the quality of code but also facilitates the knowledge transfer. It reduces the chance of mistakes as two people are simultaneously working on a code.

8. **What is the velocity of a sprint and how it is measured?**

Velocity is one of the planning tool used to estimate the speed of the work and time of completion of the project. The calculation of velocity is done by reviewing the work team has successfully completed during earlier sprints; for example, if the team completed 5 stories during a two-week sprint and each story was worth 3 story points, then the team's velocity is 15 story points per sprint.

9. **Differentiate between Agile and Scrum?**

Scrum is a part of the Agile Methodology, both of them promote the completion of projects incrementally in small fragments. Also, both methodologies are iterative in nature.
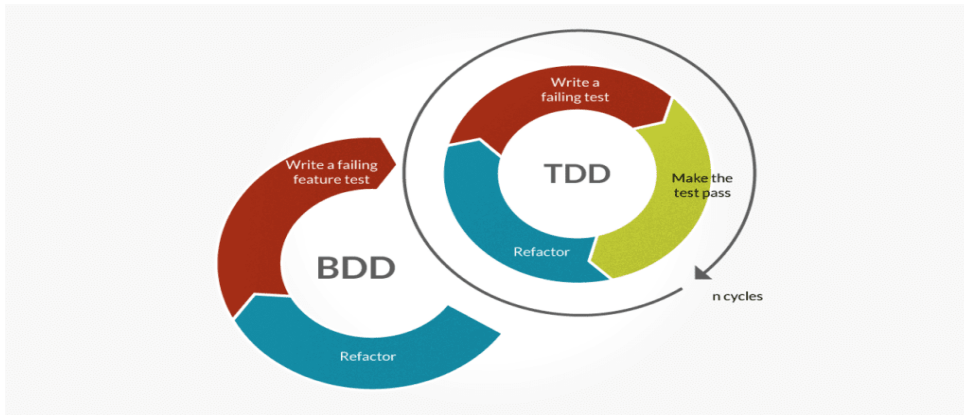
The main difference between Agile and Scrum is Agile Methodology is used for project management, Scrum is ideal for projects where the requirements change rapidly. In the Agile Methodology, leadership holds the most pivotal position, whereas Scrum encourages the creation of a self-organizing and cross-functional team.

10. **Explain the role of the Scrum Master?**

The main job of the Scrum Master is to ensure that the team abides by the Agile values and principles and follows the agreed-upon processes and practices. Some of the most crucial responsibilities of the Scrum Master are:

- ✓ To eliminate all the obstacles that could hamper the productivity of the Scrum team.
- ✓ To establish a productive and collaborative work environment for the Scrum team.
- ✓ To protect the team from the interruptions and distractions of the outside world.
- ✓ To maintain a good relationship between the team, clients, and all the other stakeholders involved in a project.
- ✓ To supervise the operations of the Scrum team and motivating them as and when needed.

11. **Differences between TDD vs BDD?**

12. **What you will discuss in sprint retro Sprective meeting?**

- ✓ What went well
- ✓ What went wrong
- ✓ What are all the challenges
- ✓ Action items
- ✓ Previous sprint action items resolution